

Ada County, Idaho

3058—Quailridge-Fortbois complex, 35 to 90 percent slopes

Map Unit Setting

National map unit symbol: 2185h

Elevation: 2,720 to 3,830 feet

Mean annual precipitation: 12 to 15 inches

Mean annual air temperature: 48 to 52 degrees F

Frost-free period: 120 to 155 days

Farmland classification: Not prime farmland

Map Unit Composition

Quailridge and similar soils: 50 percent

Fortbois and similar soils: 30 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Quailridge

Setting

Landform: Hillslopes

Down-slope shape: Convex

Across-slope shape: Convex

Parent material: Sandy lacustrine deposits

Typical profile

A - 0 to 4 inches: loamy coarse sand

Bt1 - 4 to 8 inches: sandy clay loam

Bt2 - 8 to 19 inches: coarse sandy loam

E and Bt - 19 to 46 inches: stratified loamy coarse sand to sandy clay loam

C - 46 to 60 inches: fine gravelly coarse sand

Properties and qualities

Slope: 35 to 65 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 3.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A

Ecological site: South Slope Sandy 8-12 ARTRT/PSSP6 (R011XY025ID)

Description of Fortbois

Setting

Landform: Hillslopes

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Sandy lacustrine deposits

Typical profile

A1 - 0 to 2 inches: loamy sand

A2 - 2 to 7 inches: loamy sand

Bw - 7 to 11 inches: sandy loam

BC - 11 to 17 inches: loamy sand

C - 17 to 60 inches: sand

Properties and qualities

Slope: 50 to 90 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Somewhat excessively drained

Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 5.95 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 5 percent

Available water storage in profile: Very low (about 3.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A

Ecological site: SAND 8-12 ARTRT/ACHY (R011XY011ID)

Data Source Information

Soil Survey Area: Ada County, Idaho

Survey Area Data: Version 4, Sep 9, 2015